

Spill Notification Information / Spill Reporting Form
Tyco Fire Products, LP

Part 1. Spill Notification Information (Part 1 must be completed prior to calling regulatory agencies.)

Facility Address <i>One Stanton Street, Marinette, WI 54143</i>	Facility Telephone Number: <i>(715)735-7411</i>
Date of Spill <i>9 / 14 /22</i>	Time of Spill: <i>11:55</i> AM / PM
Type of Material Discharged <i>Influent Municipal City Water</i>	
Estimated Total Quantity Discharged <i>Indeterminate, influent municipal city water release occurred over a 10-minute time period</i>	
Estimated Quantity of Material Discharged to a Water Body <i>Indeterminate, influent municipal water release occurred over a 10-minute time period</i>	
Source of the Discharge <i>Underground water line fracture</i>	
Medias Affected <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Air <input type="checkbox"/> Other	
Cause of Discharge <i>An unknown undocumented offshoot of the facilities old underground city water line was struck during the installation of the new city water main causing upwelling of water.</i>	
Damage or Injuries caused by the discharge: <i>No Injuries or major property damage found.</i>	
Actions being used to stop, remove, and/or mitigate the effects of discharge: <i>Spill was noticed promptly by drilling crews and actions were taken to promptly shut the city water supply valves</i>	
Evacuation Yes No	
Organizations, Agencies, Individuals Contacted <i>WDNR Contacted by Denice Nelson (Laura Gerold at 2:15 pm and Spill hotline at 4:45pm)</i>	

Part 2. Spill Reporting Information

Maximum Storage or Handling Capacity of Facility: <i>Indeterminate, city potable water supply</i>
Corrective actions and countermeasures taken (include a description of equipment repairs and replacements): <i>Spill control equipment deployed and used to capture and clean spill of municipal water within ten minutes. Municipal water from line break captured and collected for disposal.</i>

Location of incident:



Describe the Cause of the Discharge, including a failure analysis of the system in which the failure occurred: During installation of the new extension of municipal water line coming from the City of Marinette under Tyco's Stanton Street facility as part of the Site's overall infrastructure upgrades being conducted pursuant to our new WPDES Permit WI-0001040-08-0, Tyco's drilling contractor struck an unmarked water line extension and noticed municipal water upwelling from the drill area. The contractor notified site staff and worked with site maintenance to have the valves shut that feed the municipal water main. Utilities had been marked out in the area using traditional methods, ground penetrating radar and potholing. The line that was struck was found to be an undocumented unmarked 2" copper line that was struck over 3' from the actual 6" municipal water main location. The water from the initial break was influent municipal water and was contained without any off-site release. When the water main valves were closed to isolate the municipal water line break the upwelling in the area stopped, however within 5 minutes of the valves being closed a new upwelling condition was noticed approximately 50 yards southwest of the drilling location. Additional valves on the municipal water main were closed to stop this second noted upwelling of water, however, the location of the second upwelling of water was directly adjacent, and upland of a catch basin attached to the sites industrial sewer. A catch basin seal was applied to the catch basin within 10 minutes during which an indeterminate amount of municipal water went into the catch basin and was discharged from WPDES outfall 001. The remaining standing municipal water was captured via vac trucks and loaded into frac tanks for on-site storage. The contractor was able to excavate and repair the original break in the municipal water line. When the contractor attempted to begin slowly opening the municipal water supply, municipal water was noted to still be flowing which confirms the existence of a second break. It is believed at this time that the closing of the valves to isolate the original leak caused a pressure buildup which created a second break in the line. The municipal water to the line is currently turned off, repairs will be conducted within the next few days, and the line will be verified leak-free prior to returning to service.

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List additional preventive measures taken or contemplated to minimize the possibility of recurrence:

Preventive measures prior to drilling included review of all available utility maps for the facility, marking out of utilities using private locators, including use of ground penetrating radar and physical identification through potholing the area to visually identify where any existing utilities were located.

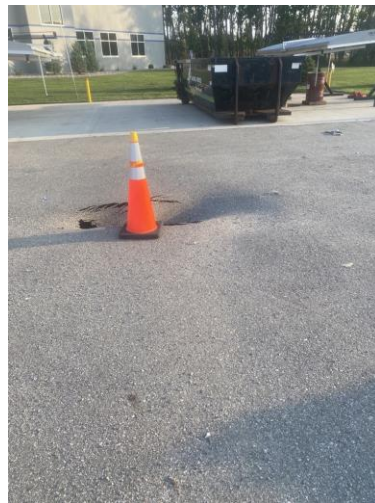
The root cause of the line breaks is the age of the existing municipal water main which in many places is over 70 years old. The area that was hit was undocumented which is not uncommon given the age of the site. The new municipal water main being installed will be much more durable and will have full as built drawing along with tracer wire so that it can be easily and fully located.

Other Information:

Photos:



Location of initial break and upwelling. No municipal water from this area reached the catch basin.



Second upwelling location. Municipal water from this area reached the catch basin.